PATENT COOPERATION TREATY

From the	IONAL SEARCE	HING AUTHO	RITY				
NTERNATIONAL SEARCHING AUTHORITY To: GREGORY P. EINHORN MORRISON & FOERSTER LLP 3811 VALLEY CENTRE DRIVE, SUITE 500 SAN DIEGO, CA 92130-2332				PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				,	(PCT Rule 43bis.1)		
				Date of mailing (day/month/year)	28 APR 2006		
Applicant'	s or agent's file re	eference		FOR FURTHER	ACTION See paragraph 2 below		
595142000	0140						
Internation	nal application No).	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US05	5/08839		17 March 2005 (17.03.	2005)	17 March 2004 (17.03.2004)		
Internation	nal Patent Classifi	cation (IPC) or	r both national classifica	tion and IPC			
	51K 36/87 and US	S Cl.: 424/766					
Applicant			•				
TAKEMO	TO, ARNOLD C		•				
1. This c	ppinion contains in	ndications rela	ting to the following ite	ms:			
\boxtimes	Box No. I	Basis of the	opinion				
	Box No. II Priority						
	Box No. III	Non-establis	shment of opinion with r	egard to novelty, inve	ntive step and industrial applicability		
	Box No. IV	Lack of unit	y of invention		1		
\boxtimes	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
	Box No. VI	Certain docu	iments cited				
	Box No. VII	Certain defe	ets in the international a	pplication			
	Box No. VIII	Certain obse	ervations on the internati	onal application			
2. FUR	THER ACTIO	N			.		
Intern Autho	national Prelimina prity other than the	ary Examining	Authority ("IPEA")	except that this does n IPEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an ne International Bureau under Rule 66.1bis(b) ered.		
IPEA	a written reply to	ogether, where	appropriate, with amen	dments, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.		
For fu	irther options, see	Form PCT/IS	A/220.		}		
3. For fu	orther details, see	notes to Form	PCT/ISA/220.				
Namaard	mailing address	of the ISA/IIS	Data of comp	letion of this opinion	Authorized officer a		
C	mailing address Mail Stop PCT, Attr Commissioner for P. P.O. Box 1450	n: ISA/US atents	Date of comp	iction of any opinion	sufants. Cos / livet		
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201					Telephone No. (571) 272-1600		

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/08839

Box N	lo. I Basis of this opinion						
1. With	regard to the language, this opinion has been established on the basis of:						
\boxtimes							
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).						
2. With inven	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ation, this opinion has been established on the basis of:						
a.	type of material						
	a sequence listing						
	table(s) related to the sequence listing						
b. .	format of material						
	on paper						
	in electronic form						
c.	time of filing/furnishing						
	contained in the international application as filed.						
	filed together with the international application in electronic form.						
	furnished subsequently to this Authority for the purposes of search.						
3. 🗌	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additi	onal comments:						
	ICA (227/mN. D. (A. 11 0000)						

Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/08839

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement	-				
Novelty (N)	Claims	2-57	·YES		
	Claims	1,58 and 59	NO		
Inventive step (IS)	Claims	21,22 and 32	YES		
		1-20,23-31 and 33-59	NO		
Industrial applicability (IA)	Claims	1-59	YES		
industrial approximity (1717)		NONE	NO		
compositions that contain alpha-lipoic acid, tocopher 4 and Examples).	ois, don vali vol		•		
lecithin (see top of column 9 and claims). US '253 teaches an antioxidant compositio glucarate, and grape seed extract (see page 5, first co sources of plant indoles. In addition, applicant's spectrosecond of the series of th	n. The compose that contains thurm). Accord cification states that are a prima facie ob the composer to form a thick that the contact is that the composer that composer that the composer that co	broccoli, citrus fruit bioflavonoids, bilberry extra- ling to applicant's specification, broccoli, grapes, a that grape seed extract is a source of polyphenois the time of the invention to use the claimed ingra- vious to combine two or more ingredients each of rd composition which is useful for the same purpo- dually in the prior art.	olyphenols and ct, calcium D- and berries are s, edients in which is taught by ose. The idea for		

Claims 21, 22, and 32 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the claimed

Claims 1-59 meet the criteria set out in PCT Article 33(4), and thus claims 1-59 have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Box No. V) (April 2005)

PATENT COOPERATION TREATY

From the INTERNATIO	ONAL SEARCH	ING AUTHO	DRITY				
To: GREGORY	P. EINHORN				·	PCTREC'D 0 2 MAY 2006	
MORRISON & FOERSTER LLP						WIFO PC	
3811 VALLEY CENTRE DRIVE, SUITE 500 SAN DIEGO, CA 92130-2332					WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
·	,				•	(PCT Rule 43bis.1)	
					Date of mailing (day/month/year)	28 APR 2006	
Applicant's	or agent's file re	ference			FOR FURTHER	ACTION See paragraph 2 below	
5951420001	40 l application No.		Internat	ional filing data	(day/month/year)	Priority date (day/month/year)	
PCT/US05/0		ration (IPC) o		ch 2005 (17.03.2 tional classificat		17 March 2004 (17.03.2004)	
	*					·	
Applicant	K 36/87 and US	CI.: 424/700					
	O, ARNOLD C				-		
1. This opi	inion contains in	dications rela	ting to th	e following item	s:		
. 🛛 1	Box No. I	Basis of the	opinion				
	Box No. II	Priority					
Box No. III Non-establishment of opinion with regard to novelty					gard to novelty, inver	ntive step and industrial applicability	
، 🗀 ا	Box No. IV Lack of unity of invention						
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
ı	Box No. VI	Certain docu	uments ci	ited			
	Box No. VII	Certain defe	cts in the	e international ap	plication	*	
	Box No. VIII	Certain obse	ervations	on the internatio	nal application		
	HER ACTIO						
Internat Authori	ional Prelimina	ry Examining is one to be t	g Author the IPEA	rity ("IPEA") ex	cept that this does	be considered to be a written opinion of the not apply where the applicant chooses an le International Bureau under Rule 66.1bis(b) ered.	
IPEA a	written reply to	gether, where	appropr	iate, with amend	lments, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.	
For furt	her options, see	Form PCT/IS	A/220.			7	
3. For furt	her details, see r	notes to Form	PCT/IS/	√220.			
Nome	aniling address :	fthe ICA/TIC		Date of comple	etion of this opinion	Authorized officer	
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P.C	mmissioner for Pa D. Box 1450					<i>y</i>	
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201					·	Telephone No. (571) 272-1600	

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
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PCT/US05/08839

Box N	o. I Basis of this opinion						
1. With regard to the language, this opinion has been established on the basis of:							
	The state of the s						
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).						
2. With inven	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a.	type of material						
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	furnished subsequently to this Authority for the purposes of search.						
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additi	onal comments:						
	DA (2370) VI. N. (4. 13 222)						

Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/08839

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

applicability; citations and explanations supporting such statement						
Claims 2-57	YES					
Claims 1.58 and 59	NO					
Claims 21,22 and 32	YES					
Claims <u>1-20,23-31 and 33-59</u>						
Claims 1-59	YES					
Claims NONE	NO					
	Claims 2-57 Claims 1.58 and 59 Claims 21,22 and 32 Claims 1-20,23-31 and 33-59 Claims 1-59					

2. Citations and explanations:

Claims 1, 58, and 59 lack novelty under PCT Article 33(2) as being anticipated by US Pat. No. 6,432,453. US '453 teaches compositions that contain alpha-lipoic acid, tocopherols, derivatives of vitamin A, EDTA, and medium chain triglycerides (see column 4 and Examples).

Claims 1-20, 23-31, 33-59 lack an inventive step under PCT Article 33(3) as being obvious over US Pat. No. 6,503,506 and US Pat. Pub. No. 2002/009,8253.

US '506 teaches an antioxidant composition. The composition contains medium chain triglycerides, fruit polyphenols and lecithin (see top of column 9 and claims).

US '253 teaches an antioxidant composition that contains broccoli, citrus fruit bioflavonoids, bilberry extract, calcium D-glucarate, and grape seed extract (see page 5, first column). According to applicant's specification, broccoli, grapes, and berries are sources of plant indoles. In addition, applicant's specification states that grape seed extract is a source of polyphenols,

These references show that it was well known in the art at the time of the invention to use the claimed ingredients in antioxidant compositions. It is well known that it is prima facie obvious to combine two or more ingredients each of which is taught by the prior art to be useful for the same purpose in order to form a third composition which is useful for the same purpose. The idea for combining them flows logically from their having been used individually in the prior art.

The other ingredients claimed by applicant but not specifically taught by the reference are also considered obvious to add to the composition taught by the combination of the reference because these ingredients are generally known in the art to be beneficial for the health of an individual.

Claims 21, 22, and 32 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the claimed method.

Claims 1-59 meet the criteria set out in PCT Article 33(4), and thus claims 1-59 have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Box No. V) (April 2005)